SEQUENCE LISTING

mSlo3 amino acid sequence (SEQ ID NO:1):

MSQTLLDSLNQKELTETSCTIEIQAAFILSSLATFFGGLIILFLFRIALKSSRSWKYVKGPRGLLELFSSRR
IEANPLRKLYFHGVFRQRIEMLLSAQTVVGQVLVILVFVLSIGSLVIYFINSMDPVRRCSSYEDKIVHGDLS
FNAFFSFYFGLRFWAAEDKIKFWLEMNSIVDIFTIPPTFISYYLKSNWLGLRFLRALRLLELPKILQILQVI
KTSNSVKLSKLLSIVISTWFTAAGFLHLVENSGDPWLNGRNSQTMSYFESIYLVTATMSTVGFGDVVAKTSL
GRIFIVFFTLGSLILFANYIPEMVELFSTRKKYTKPYEAVKGKKFIVVCGNITVDSVTAFLRNFLHWKSGEI
NIEIVFLGETLPCLELETLLKCHTSCTNFVCGTALKFEDLKRVAVENSEACLILANHFCSDLHDEDNSNIMR
VLSIKNYYPQTRVIIQILQSQNKVFLSKIPNWDWSAGDNILCFAELKLGFIAQGCLVPGLCTFLTTLFIEQN
QKVFPKHPWQKHFLNGLKNKILTQRLSNDFVGMTFPQVSRLCFVKLNLMLIAIQHKPFFHSCCTLILNPSSQ
VRLNKDTLGFFIADSSKAVKRAFFYCSNCHSDVCNPELIGKCNCKIKSRQQLIAPTIMVMKSSLTDFTTSSH
IHASMSTEIHTCFSREQPSLITITTNRPTTNDTVDDTDMLDSSGMFHWCRAMPLDKVVLKRSEKAKHEFQNH
IVVCVFGDAQCTLVGLRNFVMPLRASNYTRQELKDIVFIGSLEYFQREWRFLRNFPKIHIMPGSALYMGDLI
AVNVEQCSMCVILATPYKALSSQILVDTEAIMATLNIQSLRITSPTPGSSKSEVKPSSAFDSKERKQRYKQI
PILTELKNPSNIHFIEQMGGLDGMLKGTSLHLSTSFSTGAVFSDTFLDSLLATSFYNYHVVELLQMLVTGGI
SSEMEHYLVKEKPYKTTDDYEAIKSGRTRCKLGLLSLDQTVLSGINPRKTFGQLFCGSLDNFGILCVGLYRM
IDEEEPSQEHKRFVITRPSNECHLLPSDLVFCAIPFNTTCGKSDSSPFNFRLKTTLQTRRRHWPRGRISSIR
TMPTSPTIFTQSTTRERGGLSTTTPESILWTR

mSlo3 nucleotide sequence (SEQ ID NO:2):

ATGTCTCAAACATTGCTAGACAGTTTAAATCAGAAGGAGTTGACGGAAACGTCATGTACAATCGAAATCCAG
GCAGCGTTCATTCTTTCCTCCTTGGCGACTTTCTTCGGGGGACTCATCATCTTATTCCTTTTCAGAATAGCC
TTGAAAAGCTCAAGAAGTTGGAAATACGTCAAGGGGCCAAGAGGACTCTTGGAACTATTCTCATCACGTAGA
ATCGAGGCTAATCCTTTGAGGAAACTTTACTTTCATGGAGTATTTCGTCAGCGCATCGAAATGCTGCTTTCT
GCACAGACCGTCGTGGGGCAAGTGTTGGTGATCCTTGTCTTTGTACTAAGCATCGGGTCTCTTGTGATCTAT
TTCATCAATTCAATGGATCCTGTTCGAAGGTGTTCTTCATATGAAGACAAAATTGTCCATGGGGATTTGAGT
TTCAACGCTTTCTTTAGCTTCTATTTTGGGTTGAGGTTTTGGGCAGCTGAAGACAAGATCAAGTTCTGGTTG
GAGATGAATTCAATTGTAGACATTTTTACCATCCCGCCAACCTTTATTTCTTATTATTTGAAGAGTAATTGG
CTAGGTTTGAGATTTCTAAGAGCTCTGCGGTTGCTCGAACTCCCTAAAATCTTACAGATCCTACAAGTCATC
AAGACCAGCAATTCAGTGAAGCTTTCCAAACTGTTGTCAATAGTTATCAGTACCTGGTTCACGGCAGCAGGA
TTCCTTCACCTGGTGGAAAATTCTGGTGACCCCTGGCTCAACGGAAGAAACTCACAGACTATGTCATACTTT
GAGTCTATTTATCTGGTGACAGCAACAATGTCAACTGTTGGCTTTGGGGACGTGGTGGCCAAGACATCCCTA
GGACGGATTTTCATTGTTTTCTTCACCCTTGGGAGTTTGATACTATTTGCAAACTACATTCCAGAAATGGTG
GAGCTCTTTTCTACCAGGAAGAAATACACCAAGCCCTACGAAGCAGTCAAAGGAAAAAAGTTCATCGTGGTC
TGTGGAAACATCACAGTTGACAGTGTTACTGCTTTCCTGAGGAATTTTCTCCACTGGAAGTCCGGGGAAATC
AATATTGAGATCGTATTCCTTGGAGAGACTCTCCCTTGCTTGGAACTGGAGACCTTACTGAAGTGCCACACA
TCCTGTACCAACTTCGTATGCGGCACCGCACTGAAGTTCGAGGATCTGAAGCGAGTTGCAGTGGAGAACTCG
GAGGCGTGCCTGATTCTAGCCAACCATTTCTGTAGTGACTTACATGACGAAGACAACTCAAACATTATGAGG
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TTCCTGTCAAAAATCCCCAACTGGGACTGGAGTGCTGGAGACAATATCCTCTGCTTTGCAGAGCTAAAGCTC
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CAAAAGGTTTTTCCTAAACATCCCTGGCAAAAACATTTCTTGAATGGCTTGAAGAACAAGATTCTGACACAG
CGCCTCTCTAACGACTTCGTGGGGATGACATTTCCCCAGGTCTCCCGGCTCTGCTTTGTGAAGCTAAATCTC
ATGCTGATCGCCATCCAACACAAGCCCTTCTTTCACAGTTGTTGCACTCTGATACTAAACCCATCATCCCAA
GTGAGGCTGAATAAGGACACCTTAGGGTTCTTCATTGCGGACTCCTCCAAAGCCGTCAAAAGGGCTTTCTTT
TACTGTTCCAACTGTCACAGCGATGTGTGCAATCCTGAGCTAATTGGAAAGTGTAACTGTAAAATCAAGAGC
CGACAACAACTCATAGCACCGACCATCATGGTGATGAAAAGCAGCTTGACCGATTTCACCACTTCTTCACAC
ATCCACGCTTCTATGTCAACAGAAATTCACACTTGTTTTTCAAGAGAACAGCCTAGTTTGATCACCATTACA
ACCAACAGACCAACGACAAACGACACAGTGGATGATACCGACATGCTGGACAGCAGTGGCATGTTTCACTGG
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ATTGTAGTATGCGTGTTTGGAGATGCCCAATGTACCCTGGTGGGGCTTCGGAATTTCGTGATGCCCCTGAGA
GCCAGCAACTACACCCGGCAGGAGCTGAAGGACATTGTTTTTATTGGGTCTCTGGAGTACTTCCAGAGAGAA
TGGCGATTTCTCCGAAACTTTCCCAAGATACACATTATGCCTGGATCTGCACTCTACATGGGAGATCTGATT
GCAGTCAATGTAGAGCAGTGCTCTATGTGCGTCATCTTAGCCACACCCTACAAGGCACTGAGCAGCCAGATT
CTGGTGGACACAGAGGCCATCATGGCCACCCTCAACATCCAGTCCCTGCGGATCACCAGTCCTACTCCAGGG
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CCCATTCTCACTGAACTGAAGAATCCCTCCAACATCCACTTTATTGAGCAGATGGGCGGACTGGATGGAATG
CTCAAAGGGACTAGCTTGCATCTCAGCACTTCTTTCTCCACCGGTGCTGTCTTTTCAGACACCTTCTTGGAT
TCTCTCCTGGCCACGTCCTTCTACAATTACCATGTCGTGGAATTACTTCAGATGCTAGTGACTGGAGGCATA
AGCTCTGAGATGGAACACTATTTGGTTAAGGAGAAGCCCTATAAGACAACTGACGACTATGAGGCAATCAAG
TCTGGGAGGACGCGGTGTAAGCTGGGACTCCTCTCTTTAGACCAAACCGTTCTATCAGGCATTAATCCAAGA
AAAACCTTTGGACAGCTGTTCTGTGGCTCATTGGATAATTTCGGGATCCTATGTGTCGGCTTATACCGTATG
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CTGCCCTCAGATCTCGTGTTTTGTGCCATCCCTTTCAACACCACCTGTGGCAAATCAGACAGCAGTCCTTTC
AATTTCAGGCTCAAAACAACTCTACAAACGCGACGACGCCATTGGCCCAGGGGTCGAATTTCTTCGATTCGC
ACCATGCCGACGAGTCCCACGATCTTTACCCAGTCGACGACACGGGAGAGAGGTGGTCTCAGCACCACCACT
CCCGAGTCTATCCTTTGGACACGTTAG

hSlo3 amino acid sequence (SEQ ID NO:3):

GLAALILSSFVTLFSGLISLLIFRLIWRXVKKWQIIKGTGIILELFTSGTIARSHVRSLHFQGQFRDHIEML
LSAQTFVGQVLVILVFVLSIGSLIIYFINSADPVGTLFII

hSlo3 nucleotide sequence (SEQ ID NO:4):

GGCTTGGCAGCGCTCATTCTTTCCTCCTTTGTGACCCTCTTCAGTGGACTCATCAGCCTGTTGATCTTCAGG
CTGATCTGGAGAYCTGTTAAAAAATGGCAAATCATCAAGGGAACAGGAATTATCTTGGAACTGTTCACATCA
GGTACCATCGCTAGGAGCCATGTAAGAAGCCTCCACTTCCAGGGACAATTTCGTGATCATATAGAAATGTTG
CTTTCAGCCCAGACCTTTGTGGGGCAAGTGTTGGTGATCCTTGTCTTTGTACTAAGCATTGGGTCTCTTATA
ATCTATTTCATCAATTCWGCTGACCCTGTTGGAACGCTGTTCATCATATGAAGACAAAACCATTCCTATTGA
TTTGGTTTTCAATGCTTTCTTTAGTTTCTATTTTGGGTTGAGGTTTTGGCAAAGCC

hSlo3-a amino acid sequence (SEQ ID NO:5)

GLAAFILSSFVTLFSGLISLLIFRLIWRXVKKWQIIKGTGIILELFTSGTIARSHVRSLHFQGQFRDHIEML
LSAQTFVGQVLVILVFVLSIGSLIIYFINSADPVGTLFII

hSlo3-b amino acid sequence (SEQ ID NO:6)

GLAALILSSFVTLFTGLISLLIFRLIWRXVKKWQIIKGTGIILELFTSGTIARSHVRSLHFQGQFRDHIEML
LSAQTFVGQVLVILVFVLSIGSLIIYFINSADPVGTLFII

hSlo3-c amino acid sequence (SEQ ID NO:7)

GLAALILSSFVTLFSGLISLLIFRLIWRXVKKWQIIKGTGIILELFTSGTIARSHVRSLHFQGQFRDHIEML
LSAQTFVGQVLVILVFVLSIGSLIIYFINSMDPVGTLFII

hSlo3-1 amino acid sequence (SEQ ID NO:16)

MFQTKLRNETWEDLPKMSCTTEIQAAFILSSFVTFFSGLIILLIFRLIWRSVKKWQIIKGTGIILELFTSGT
IARSHVRSLHFQGQFRDHIEMLLSAQTFVGQVLVILVFVLSIGSLIIYFINSADPVGSCSSYEDKTIPIDLV
FNAFFSFYFGLRFMAADDKIKFWLEMNSIVDIFTIPPTFISYYLKSNWLGLRFLRALRLLELPQILQILRAI
KTSNSVKFSKLLSIILSTWFTAAGFIHLVENSGDPWLKGRNSQNISYFESIYLVMATTSTVGFGDVVAKTSL
GRTFIMFFTLGSLILFANYIPEMVELFANKRKYTSSYEALKGKKFIVVCGNITVDSVTAFLRNFLRDKSGEI
NTEIVFLGETPPSLELETIFKCYLAYTTFISGSAMKWEDLRRVAVESAEACLIIANPLCSDSHAEDISNIMR
VLSIKNYDSTTRIIIQILQSHNKVYLPKIPSWNWDTGDNIICFAELKLGFIAQGCLVPGLCTFLTSLFVEQN
KKVMPKQTWKKHFLNSMKNKILTQRLSDDFAGMSFPEVARLCFLKMYLLLIAIEYKSLFTDGFCGLILNPPP
QVRIRKNTLGFFIAETPKDVRRALFYCSVCHDDVFIPELITNCGCKSRSRQHITVPSVKRMKKCLKGISSRI
SGQDSPPRVSASTSSISNFTTRTLQHDVEQDSDQLDSSGMFHWCKPTSLDKVTLKRTGKSKYKFRNHIVACV
FGDAHSAPMGLRNFVMPLRASNYTRKELKDIVFIGSLDYLQREWRFLRNFPQIYILPGCALYSGDLHAANIE
QCSMCAVLSPPPQPSSNQTLVDTEAIMATLTIGSLQIDSSSDPSPSVSEETPGYTNGHNEKSNCRKVPILTE
LKNPSNIHFIEQLGGLEGSLQETNLHLSTAFSTGTVFSSSFLDSLLATAFYNYHVLELLQMLVTGGVSSQLE
QHLDKDKVYGVADSCTSLLSGRNRCKLGLLSLHETILSDVNPRNTFGQLFCGSLDLFGILCVGLYRIIDEEE
LNPENKRFVITRPANEFKLLPSDLVFCAIPFSTACYKRNEEFSLQKSYEIVNKASQTTEDTFRHKLSSHPLI
QLLRHCIHQSILTSRELTPSLFLSK

hSlo3-1 nucleotide sequence (SEQ ID NO:17)

ATGTTTCAGACTAAGCTACGAAATGAAACTTGGGAAGACTTGCCAAAAATGTCCTGCACAACTGAGATCCAA
GCAGCATTCATTCTCTCTTCCTTTGTGACCTTCTTCAGTGGACTCATCATCCTGTTGATCTTCAGGCTGATC
TGGAGATCTGTTAAAAAATGGCAAATCATCAAGGGAACAGGAATTATCTTGGAACTGTTCACATCAGGTACC
ATCGCTAGGAGCCATGTAAGAAGCCTCCACTTCCAGGGACAATTTCGTGATCATATAGAAATGTTGCTTTCA
GCCCAGACCTTTGTGGGGCAAGTGTTGGTGATCCTTGTCTTTGTACTAAGCATTGGGTCTCTTATAATCTAT
TTCATCAATTCTGCTGACCCTGTTGGAAGCTGTTCATCATATGAAGACAAAACCATTCCTATTGATTTGGTT
TTCAATGCTTTCTTTAGTTTCTATTTTGGATTGAGGTTTATGGCAGCTGATGACAAGATCAAGTTCTGGCTG

GAGATGAATTCAATCGTAGACATCTTTACCATCCCACCAACCTTTATTTCTTATTATTTGAAGAGCAATTGG
CTAGGTTTAAGGTTCCTAAGAGCCTTGCGCCTGCTAGAACTCCCTCAAATCTTGCAAATTCTACGAGCCATC
AAGACCAGTAACTCAGTGAAGTTTTCCAAACTGCTGTCAATAATTCTCAGTACCTGGTTCACAGCTGCGGGA
TTCATTCACCTGGTGGAAAATTCTGGTGATCCCTGGCTCAAAGGTAGAAATTCACAGAATATATCATATTTT
GAGTCAATTTACCTGGTCATGGCAACAACGTCAACCGTTGGATTTGGAGATGTGGTAGCCAAGACATCCTTA
GGACGGACCTTCATCATGTTCTTCACACTGGGGAGTTTGATATTATTTGCGAACTATATACCTGAAATGGTG
GAACTGTTTGCTAACAAGAGGAAATACACCAGTTCMTATGAAGCACTCAAAGGAAAGAAGTTTATTGTGGTC
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AACACTGAAATTGTTTTCCTGGGAGAAACCCCTCCTTCTTTGGAACTTGAAACCATATTTAAATGCTACTTG
GCCTACACAACGTTCATTTCTGGATCTGCAATGAAGTGGGAGGATCTGAGGCGAGTTGCGGTGGAATCTGCA
GAGGCATGCCTGATTATAGCCAATCCTTTGTGCAGTGATTCCCATGCTGAAGATATTTCCAACATTATGAGG
GTGCTCTCTATCAAGAACTATGATTCTACCACCAGAATCATCATACAGATACTGCAATCCCATAACAAGGTT
TATCTGCCAAAGATTCCCAGCTGGAACTGGGACACCGGAGACAACATCATCTGCTTTGCTGAATTAAAACTT
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AGGAAGGAGCTGAAGGACATAGTGTTCATTGGGTCTCTGGACTATCTACAGAGAGAATGGCGATTTCTCCGG
AATTTTCCCCAGATATACATTCTGCCTGGATGTGCACTTTATTCTGGAGACCTCCATGCGGCCAACATAGAG
CAATGCTCCATGTGTGCTGTCTTGTCCCCCCCACCCCAGCCATCAAGCAACCAGACTTTGGTAGACACAGAA
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GAGGAGACTCCAGGTTACACAAATGGACATAATGAGAAATCAAACTGCCGAAAAGTCCCTATCCTTACTGAA
CTGAAAAATCCTTCCAACATTCACTTTATTGAACAGCTTGGTGGACTGGAAGGGTCCCTCCAAGAAACAAAT
CTGCATCTCAGCACTGCCTTTTCTACGGGCACTGTTTTTTCCAGCAGCTTCTTGGATTCTCTGCTGGCCACG
GCCTTCTACAATTATCATGTCCTGGAATTGCTTCAGATGCTGGTGACAGGAGGAGTAAGTTCTCAGCTGGAA
CAACATTTAGATAAGGATAAAGTCTATGGTGTGGCAGATAGCTGCACGTCGCTCTTGTCTGGAAGAAACCGG
TGTAAGCTGGGGCTTCTGTCCTTACACGAAACCATTTTATCAGACGTTAATCCAAGAAACACCTTTGGACAA
CTGTTCTGTGGCTCATTAGATCTTTTTGGAATCCTGTGTGTTGGCTTATACCGAATAATTGATGAAGAGGAG
CTCAACCCAGAAAACAAAAGGTTTGTGATCACCCGGCCAGCCAATGAGTTCAAGCTGCTGCCTTCAGATCTT
GTGTTTTGTGCCATACCCTTCAGCACTGCTTGTTATAAAAGGAATGAAGAGTTCTCATTGCAAAAGTCATAT
GAAATTGTAAATAAAGCATCACAGACAACAGAGGACACATTCAGACACAAATTGTCCTCCCACCCATTGATT
CAGTTACTGAGACATTGTATTCACCAGTCTATTCTTACCAGCCGAGAACTAACTCCCTCTCTTTTCCTAAGC
AAATAGG

hSlo3-2 amino acid sequence (SEQ ID NO:18)

MFQTKLRNETWEDLPKMSCTTEIQAAFILSSFVTFFSGLIILLIFRLIWRSVKKWQIIKGTGIILELFTSGT
IARSHVRSLHFQGQFRDHIEMLLSAQTFVGQVLVILVFVLSIGSLIIYFINSADPVGSCSSYEDKTIPIDLV
FNAFFSFYFGLRFMAADDKIKFWLEMNSIVDIFTIPPTFISYYLKSNWLGLRFLRALRLLELPQILQILRAI
KTSNSVKFSKLLSIILSTWFTAAGFIHLVENSGDPWLKGRNSQNISYFESIYLVMATTSTVGFGDVVAKTSL
GRTFIMFFTLGSLILFANYIPEMVELFANKRKYTSSYEALKGKKFIVVCGNITVDSVTAFLRNFLRDKSGEI
NTEIVFLGETPPSLELETIFKCYLAYTTFISGSAMKWEDLRRVAVESAEACLIIANPLCSDSHAEDISNIMR
VLSIKNYDSTTRIIIQILQSHNKVYLPKIPSWNWDTGDNIICFAELKLGFIAQGCLVPGLCTFLTSLFVEQN
KKVMPKQTWKKHFLNSMKNKILTQRLSDDFAGMSFPEVARGLILNPPPQVRIRKNTLGFFIAETPKDVRRAL
FYCSVCHDDVFIPELITNCGCKSRSRQHITVPSVKRMKKCLKGISSRISGQDSPPRVSASTSSISNFTTRTL
QHDVEQDSDQLDSSGMFHWCKPTSLDKVTLKRTGKSKYKFRNHIVACVFGDAHSAPMGLRNFVMPLRASNYT
RKELKDIVFIGSLDYLQREWRFLRNFPQIYILPGCALYSGDLHAANIEQCSMCAVLSPPPQPSSNQTLVDTE
AIMATLTIGSLQIDSSSDPSPSVSEETPGYTNGHNEKSNCRKVPILTELKNPSNIHFIEQLGGLEGSLQETN
LHLSTAFSTGTVFSSSFLDSLLATAFYNYHVLELLQMLVTGGVSSQLEQHLDKDKVYGVADSCTSLLSGRNR
CKLGLLSLHETILSDVNPRNTFGQLFCGSLDLFGILCVGLYRIIDEEELNPENKRFVITRPANEFKLLPSDL
VFCAIPFSTACYKRNEEFSLQKSYEIVNKASQTTEDTFRHKLSSHPLIQLLRHCIHQSILTSRELTPSLFLS
K

hSlo-3-2 nucleotide sequence (SEQ ID NO:19)

ATGTTTCAGACTAAGCTACGAAATGAAACTTGGGAAGACTTGCCAAAAATGTCCTGCACAACTGAGATCCAA
GCAGCATTCATTCTCTCTTCCTTTGTGACCTTCTTCAGTGGACTCATCATCCTGTTGATCTTCAGGCTGATC
TGGAGATCTGTTAAAAAATGGCAAATCATCAAGGGAACAGGAATTATCTTGGAACTGTTCACATCAGGTACC
ATCGCTAGGAGCCATGTAAGAAGCCTCCACTTCCAGGGACAATTTCGTGATCATATAGAAATGTTGCTTTCA
GCCCAGACCTTTGTGGGGCAAGTGTTGGTGATCCTTGTCTTTGTACTAAGCATTGGGTCTCTTATAATCTAT
TTCATCAATTCTGCTGACCCTGTTGGAAGCTGTTCATCATATGAAGACAAAACCATTCCTATTGATTTGGTT
TTCAATGCTTTCTTTAGTTTCTATTTTGGATTGAGGTTTATGGCAGCTGATGACAAGATCAAGTTCTGGCTG
GAGATGAATTCAATCGTAGACATCTTTACCATCCCACCAACCTTTATTTCTTATTATTTGAAGAGCAATTGG
CTAGGTTTAAGGTTCCTAAGAGCCTTGCGCCTGCTAgAACTCCCTCAAATCTTGCAAATTCTACGAGCCATC
AAGACCAGTAACTCAGTGAAGTTTTCCAAAGTGCTGTCAATAATTCTCAGTACCTGGTTCACAGCTGCGGGA
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GAGTCAATTTACCTGGTCATGGCAACAACGTCAACCGTTGGATTTGGAGATGTGGTAGCCAAGACATCCTTA
GGACGGACCTTCATCATGTTCTTCACACTGGGGAGTTTGATATTATTTGCGAACTATATACCTGAAATGGTG
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GCCTACACAACGTTCATTTCTGGATCTGCAATGAAGTGGGAGGATCTGAGGCGAGTTGCGGTGGAATCTGCA
GAGGCATGCCTGATTATAGCCAATCCTTTGTGCAGTGATTCCCATGCTGAAGATATTTCCAACATTATGAGG
GTGCTCTCTATCAAGAACTATGATTCTACCACCAGAATCATCATACAGATACTGCAATCCCATAACAAGGTT
TATCTGCCAAAGATTCCCAGCTGGAACTGGGACACCGGAGACAACATCATCTGCTTTGCTGAATTAAAACTT
GGATTTATCGCCCAAGGCTGTTTGGTGCCAGGCTTGTGTACCTTCCTAACATCTCTATTTGTGGAGCAAAAC

AAAAAGGTTATGCCTAAACAGACCTGGAAGAAACACTTCTTGAATAGCATGAAAAACAAAATTCTGACCCAA
CGTCTCTCTGATGACTTTGCTGGAATGAGCTTTCCTGAAGTTGCCCGTGGTCTGATACTAAATCCACCTCCA
CAAGTGAGGATACGTAAGAACACATTAGGGTTCTTTATTGCTGAAACTCCAAAGGACGTCAGAAGAGCCTTG
TTTTACTGTTCAGTCTGTCATGATGATGTGTTCATTCCTGAGCTAATTACAAACTGTGGCTGCAAAAGCAGA
AGCCGGCAGCACATCACAGTGCCATCGGTAAAGAGAATGAAAAAATGTCTGAAGGGAATCTCCTCTCGTATA
TCAGGGCAGGATTCTCCGCCAAGGGTATCTGCAAGCACTTCGAGCATATCAAACTTCACCACCAGGACTCTT
CAACATGATGTAGAACAAGATTCTGACCAGCTTGATAGCAGTGGGATGTTTCACTGGTGCAAACCAACCTCT
TTGGACAAGGTGACTCTGAAACGAACTGGCAAGTCAAAGTATAAGTTTCGGAACCATATTGTAgCATGTGTA
TTTGGAGATGCCCACTCAGCCCCGATGGGGCTTCGGAACTTTGTAATGCCCTTGAGAGCCAGCAACTATACC
AGGAAGGAGCTGAAGGACATAGTGTTCATTGGGTCTCTGGACTATCTACAGAGAGAATGGCGATTTCTCCGG
AATTTTCCCCAGATATACATTCTGCCTGGATGTGCACTTTATTCTGGAGACCTCCATGCGGCCAACATAGAG
CAATGCTCCATGTGTGCTGTCTTGTCCCCCCCACCCCAGCCATCAAGCAACCAGACTTTGGTAGACACAGAA
GCCATCATGGCAACCCTCACCATCGGATCCTTGCAAATTGACTCCTCCTCTGACCCGTCACCCTCAGTGTCA
GAGGAGACTCCAGGTTACACAAATGGACATAATGAGAAATCAAACTGCCGAAAAGTCCCTATCCTTACTGAA
CTGAAAAATCCTTCCAACATTCACTTTATTGAACAGCTTGGTGGACTGGAAGGGTCCCTCCAAGAAACAAAT
CTGCATCTCAGCACTGCCTTTTCTACGGGCACTGTTTTTTCCAGCAGCTTCTTGGATTCTCTGCTGGCCACG
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CAACATTTAGATAAGGATAAAGTCTATGGTGTGGCAGATAGCTGCACGTCGCTCTTGTCTGGAAGAAACCGG
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CTCAACCCAGAAAACAAAAGGTTTGTGATCACCCGGCCAGCCAATGAGTTCAAGCTGCTGCCTTCAGATCTT
GTGTTTTGTGCCATACCCTTCAGCACTGCTTGTTATAAAAGGAATGAAGAGTTCTCATTGCAAAAGTCATAT
GAAATTGTAAATAAAGCATCACAGACAACAGAGGACACATTCAGACACAAATTGTCCTCCCACCCATTGATT
CAGTTACTGAGACATTGTATTCACCAGTCTATTCTTACCAGCCGAGAACTAACTCCCTCTCTTTTCCTAAGC
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